VOLUME 80 · CONTENTS

No 1 JULY 1998

Page

Editorials

1 Arterial or venous conduits for redo coronary artery bypass grafting? *D P Taggart*

3 Heparin for coronary angioplasty: high dose, low dose, or no dose? *A Garachemani, B Meier*

5 Angiotensin II receptor antagonists for heart failure *A D Struthers*

7 False aneurysm of the left ventricle *T Treasure*

Papers

9 Long term results of reoperations for recurrent angina with internal mammary artery versus saphenous vein grafts *D Dougenis, A H Brown*

14 Recent activation of the plaque immune response in coronary lesions underlying acute coronary syndromes *A C van der Wal, J J Piek, O J de Boer, K T Koch, P Teeling, C M van der Loos, A E Becker*

19 Histological patterns of atherosclerotic plaques in unstable angina patients vary according to clinical presentation *J M Mann, J C Kaski, W I Pereira, S Arie, J A Ramires, F Pileggi*

23 Can C reactive protein or troponins T and I predict outcome in patients with intractable unstable angina? *N P Curzen, D J Patel, M Kemp, J Hooper, C J Knight, D Clarke, C Wright, K M Fox*

28 Relation between the kinetics of thallium-201 in myocardial scintigraphy and myocardial metabolism in patients with acute myocardial infarction *H Yamagishi, K Akioka, M Takagi, A Tanaka, K Takeuchi, J Yoshikawa, H Ochi*

35 Low molecular weight heparin as an adjunct to thrombolysis for acute myocardial infarction: the FATIMA study *S A J Chamuleau, R J de Winter, M Levi, R Adams, H R Büller, M H Prins, K I Lie, R J G Peters, on behalf of the Fraxiparin Anticoagulant Therapy in Myocardial Infarction Study Amsterdam (FATIMA) Study Group*

40 Coronary event and case fatality rates in an English population: results of the Oxford myocardial infarction incidence study *J A Volmink, J N Newton, N R Hicks, P Sleight, G H Fowler, H A W Neil, on behalf of the Oxford Myocardial Infarction Incidence Study Group*

45 β Adrenergic blockers lower renin in patients treated with ACE inhibitors and diuretics *S R Holmer, H-W Hense, A H J Danser, B Mayer, G A J Riegger, H Schunkert*

49 Transcatheter coil occlusion of residual interatrial communications after Fontan procedure *A Gamillscheg, A Beitzke, J I Stein, M Rupitz, G Zobel, B Rigler*

54 Extending the limits of transcatheter closure of atrial septal defects with the double umbrella device (CardioSEAL) *R Kaulitz, T Paul, G Hausdorf*

60 Cardiopulmonary responses to exercise in patients with hypertrophic cardiomyopathy *S Jones, P M Elliott, S Sharma, W J McKenna, B J Whipp*

68 Potential impact of antiarrhythmic drugs versus implantable defibrillators on the management of ventricular arrhythmias: the Midlands trial of empirical amiodarone versus electrophysiologically guided intervention and cardioverter implant registry data *R K Pathmanathan, E W Lau, J Cooper, L Newton, J D Skehan, C J Garratt, M J Griffith*

71 Autonomic modulation of the atrial cycle length by the head up tilt test: non-invasive evaluation in patients with chronic atrial fibrillation *M P Ingemansson, M Holm, S B Olsson*

77 Dispersion of QT and QTc interval in healthy children, and effects of sinus arrhythmia on QT dispersion *H Ercan Tutar, B Ocal, A Imamoglu, S Atalay*

80 New electrocardiographic criteria for the differentiation between counterclockwise and clockwise atrial flutter: correlation with electrophysiological study and radiofrequency catheter ablation *L P Lai, J L Lin, L J Lin, W J Chen, Y L Ho, Y Z Tseng, C H Chen, Y T Lee, W P Lien, S K S Huang*

Case reports

86 Spontaneously terminating ventricular fibrillation and asystole induced by silent ischaemia causing recurrent syncope *M U A Mustafa, C S R Baker, J D Stephens*

89 Coronary artery spasm leading to life threatening arrhythmias *J N Adams, M A Denver, A P Rae*

91 Coronary atherosclerosis within a myocardial bridge, not a benign condition *R J de Winter, W E M Kok, J J Piek*

94 Unruptured left ventricular pseudoaneurysm following myocardial infarction *M-J Hung, C-H Wang, W-J Cherng*

98 Left ventricular pseudoaneurysm in a patient with Dressler's syndrome after myocardial infarction *H Reinecke, T Wichter, M Weyand*

Short cases in cardiology

101 Magnetic resonance images of left ventricular pseudoaneurysm *R N Chakraborty, A A Nicholson, M F Alamgir*

102 Coronary stenting for symptomatic myocardial bridging *A Bayés, V Martí, J M Augé*

Miscellanea

4 Stamps in cardiology: Digitalis and strophanthus–cardiac glycosides *M K Davies, A Hollman*

59 Images in cardiology: Right sided intracardiac thrombus *R A Rusk, A Kenny, J P Bourne*

97 Images in cardiology: Ruptured ventricular pseudoaneurysm *M Togni, P Hilfiker, F Follath*

104 Instructions for authors

No 2 AUGUST 1998

Page

Editorials

107 Essential collection *M J Davies*

108 Diabetes and coronary artery disease: time to stop taking the tablets? *M Connaughton, J Webber*

110 Olovnikov's clock: telomeres and vascular biology *D P de Bono*

112 Perspectives on trends in mortality and case fatality from coronary heart attacks: the need for a better definition of acute myocardial infarction *H Tunstall-Pedoe*

Papers

114 Effect of time from onset to coming under care on fatality of patients with acute myocardial infarction: effect of resuscitation and thrombolytic treatment *The United Kingdom Heart Attack Study (UKHAS) Collaborative Group*

121 The falling mortality from coronary heart disease: a clinicopathological perspective *The United Kingdom Heart Attack Study (UKHAS) Collaborative Group*

127 Angiotensin II modulates cardiovascular autonomic control in the absence of baroreflex loading *J C Vaile, J Fletcher, W A Littler, J H Coote, J N Townend*

134 Regulation of peripheral vascular tone in patients with heart failure: contribution of angiotensin II *D E Newby, N E R Goodfield, A D Flapan, N A Boon, K A A Fox, D J Webb*

141 Abnormal vascular responses in human chronic cardiac failure are both endothelium dependent and endothelium independent *S M Maguire, A G Nugent, C McGurk, G D Johnston, D P Nicholls*

146 S-Nitrosoglutathione inhibits platelet activation and deposition in coronary artery saphenous vein grafts in vitro and in vivo *E Salas, E J Langford, M T Marrinan, J F Martin, S Moncada, A J de Belder*

151 Long term intravenous prostaglandin (epoprostenol or iloprost) for treatment of severe pulmonary hypertension *T Higenbottam, A Y Butt, A McMahon, R Westerbeck, L Sharples*

156 Five minute recordings of heart rate variability for population studies: repeatability and age–sex characteristics *R Sinnreich, J D Kark, Y Friedlander, D Sapoznikov, M H Luria*

163 Marfan syndrome in children and adolescents: predictive and prognostic value of aortic root growth for screening for aortic complications *M Groenink, L Rozendaal, M S J Naeff, R C M Hennekam, A A M Hart, E E van der Wall, B J M Mulder*

170 Outcomes of transposition of the great arteries in the era of atrial inflow correction *D Birnie, A Tometzki, J Curzio, A Houston, S Hood, L Swan, W Doig, N Wilson, M Jamieson, J Pollock, W S Hillis*

174 Coronary arterial anatomy in tetralogy of Fallot: morphological and clinical correlations *J Li, N D Soukias, J S Carvalho, S Yen Ho*

184 Assessment of ventricular diastolic function in AIDS patients from Congo: a Doppler echocardiographic study *B Longo-Mbenza, L V Seghers, E Kintoki Vita, K Tonduangu, M Bayekula*

Case study

190 Unruptured aneurysm of the left sinus of Valsalva extending into the left ventricular outflow tract: presentation and imaging *C Pepper, C Munsch, U M Sivananthan, M Pye*

Case reports

194 Brugada syndrome associated with an autonomic disorder *M Nomura, T Nada, J Endo, Y Kondo, M Yukinaka, K Saito, S Ito, H Mori, Y Nakaya, H Shinomiya*

197 Coronary spasm in acute myocardial infarction *G Y H Lip, K K Ray, M F Shiu*

200 Aorto–atrial fistula without aneurysm formation in Behçet's disease *A Melua, N Campbell, D McCluskey, S W MacGowan*

Short cases in cardiology

202 Interventricular septal expansion of a sinus of Valsalva aneurysm: a rare cause of complete heart block *M I Walters, D Ettles, L Guvendik, G C Kaye*

203 Ventricular fibrillation triggered by a ruptured sinus of Valsalva aneurysm *J Hoshino, F Naganuma, R Nagai*

205 Acquired coarctation of the aorta in William's syndrome *R Dhillon, T D Reddy, A Redington*

206 Transcatheter recanalisation and stenting of a closed ductus arteriosus in duct dependent lung perfusion *C Kampmann, C-F Wippermann, F-X Schmid*

Letters to the editor

208 Atrioventricular plane displacement during low dose dobutamine infusion predicts recovery of left ventricular dyssynergies *A Kranidis, G Filippatos, K Kappos, L Anthopoulos*

208 Changes in pulmonary artery size before and after total cavopulmonary connection *Z Slavik, R Franklin*

209 Serum concentration of cardiac troponin T in patients with cardiomyopathy: a possible mechanism of acute heart failure *Y Sato, T Yamada, R Taniguchi, K Kataoka, S Sasayama, A Matsumori, Y Takatsu*

210 Comparative study of chest pain characteristics in patients with normal and abnormal coronary angiograms *O M P Jolobe*

210 Fax machines for thrombolysis *T O Cheng*

Miscellanea

120 Stamps in cardiology: Heparin *M K Davies, A Hollman*

140 Images in cardiology: Unruptured right sinus of Valsalva aneurysm *H Kitaoka, N Hitomi, Y L Doi*

162 Images in cardiology: Congenital right pulmonary artery to left atrial fistula *G Veldtman, M E C Blackburn, J Parsons*

No 3 SEPTEMBER 1998 Page **Editorials**

211 Transfusion associated graft versus host disease and its prevention *L M Williamson*

213 Heart rate variability and cardiac failure *F Lombardi, A Mortara*

Statistical note

215 Of bombers, radiologists, and cardiologists: time to ROC *P Collinson*

Review

218 Myocardial hibernation and stunning: from physiological principles to clinical practice *S R Redwood, R Ferrari, M S Marber*

Papers

223 Troponin T measurement after myocardial infarction can identify left ventricular ejection of less than 40% *A C R Rao, P O Collinson, R Canepa-Anson, S P Joseph*

226 Cardiac troponin T does not increase after electrical cardioversion for atrial fibrillation or atrial flutter *K Greaves, T Crake*

229 Direct current cardioversion does not cause cardiac damage: evidence from cardiac troponin T estimation *A C R Rao, N Naeem, C John, P O Collinson, R Canepa-Anson, S P Joseph*

231 Audit of prehospital thrombolysis by general practitioners in peripheral practices in Grampian *J Rawles, C Sinclair, K Jennings, L Ritchie, N Waugh*

235 Fibrinolytic potential is significantly increased by oestrogen treatment in postmenopausal women with mild dyslipidaemia *O C E Gebara, M A Mittleman, B W Walsh, I Lipinska, F K Welty, G Bellotti, J E Muller, F K Sacks, G H Tofler*

240 Late complications following permanent pacemaker implantation or elective unit replacement *A A Harcombe, S A Newell, P F Ludman, T E Wistow, L D Sharples, P M Schofield, D L Stone, L M Shapiro, T Cole, M C Petch*

245 Dispersion of regional wall motion abnormality in patients with long QT syndrome *K Nakayama, H Yamanari, F Otsuka, K Fukushima, H Saito, Y Fujimoto, T Emori, H Matsubara, S Uchida, T Ohe*

251 Prognostic significance of electrical alternans versus signal averaged electrocardiography in predicting the outcome of electrophysiological testing and arrhythmia-free survival *A A Armoundas, D S Rosenbaum, J N Ruskin, H Garan, R J Cohen*

257 Electrocardiographic changes after alcohol septal ablation in hypertrophic obstructive cardiomyopathy *J Kazmierczak, Z Kornacewicz-Jach, M Kisly, R Gil, A Wojtarowicz*

263 Sustained left ventricular diastolic dysfunction after exercise in patients with dilated cardiomyopathy *M Morikawa, H Sato, H Sato, Y Koretsune, Y Ohnishi, T Kurotobi, T Kuzuya, M Hori*

270 Idiopathic dilated cardiomyopathy: lack of association with hepatitis C virus infection *G N Dalekos, K Achenbach, D Christodoulou, G K Liapi, E K Zervou, D A Sideris, E V Tsianos*

276 Clinical and morphological characteristics in *Streptococcus bovis* endocarditis: a comparison with other causative microorganisms in 177 cases *I Kupferwasser, H Darius, A M Müller, S Mohr-Kahaly, T Westermeier, H Oelert, R Erbel, J Meyer*

281 Reference ranges for cardiac dimensions and blood flow velocity in preterm infants *R Skelton, A B Gill, J M Parsons*

286 Severe brain injury after cardiac surgery in children: consequences for the family and the need for assistance *A M Menezes, E A Shinebourne*

292 A follow up study of myocardial involvement in patients with mitochondrial encephalomyopathy, lactic acidosis, and stroke-like episodes (MELAS) *Y Okajima, Y Tanabe, M Takayanagi, H Aotsuka*

296 Nuclear cardiology in the UK 1994: activity relative to Europe, USA, and British Cardiac Society targets *D J Pennell, E Prvulovich, A Tweddel, J Caplin*

Case reports

299 Transfusion associated graft versus host disease in an immunocompetent individual following coronary artery bypass grafting *R Ahya, J G Douglas, H G Watson*

301 Successful radiofrequency catheter ablation of atrial trigeminy in a young patient *I J Dobran, V Niebch, E G Vester*

303 T wave alternans after sotalol: evidence for increased sensitivity to sotalol after conversion from atrial fibrillation to sinus rhythm *H L Tan, A A M Wilde*

307 Myocardial ischaemia in a case of a solitary coronary ostium in the right aortic sinus with retroaortic course of the left coronary artery: documentation of the underlying pathophysiological mechanisms of ischaemia by intracoronary Doppler and pressure measurements *E R Schwarz, P K Hager, R Uebis, P Hanrath, H G Klues*

Short cases in cardiology

311 Cardiac valve invasion in chronic adult T cell leukaemia *J Takata, H Taguchi, I Miyoshi, Y L Doi*

Miscellanea

217 Stamps in cardiology: Congresses *M K Davies, A Hollman*

298 Images in cardiology: A calcified occlusion of the left main coronary artery in a young man *R J G Peters, C E Schotborgh, J A P van der Sloot*

No 4 OCTOBER 1998

Page **Editorials**

313 Gene therapy made difficult *G J Clesham*

315 AAI pacing for sick sinus syndrome: first choice on all counts *H J Marshall, M D Gammage, M J Griffith*

317 In search of a reliable marker of tissue injury during heart surgery *M Galiñanes*

319 Activated protein C resistance and myocardial infarction *M A Laffan*

Papers

322 Myocardial perfusion defects and associated systemic ventricular dysfunction in congenitally corrected transposition of the great arteries *T S Hornung, E J Bernard, E T Jaeggi, R B Howman-Giles, D S Celermajer, R E Hawker*

327 Spring coil retraction in coil occlusion of persistent ductus arteriosus *T Ino, K Nishimoto, M Okubo, K Akimoto, K Yabuta, S Kawasaki, Y Hosoda, M Iwahara*

330 Adenosine induced transient cardiac standstill in catheter interventional procedures for congenital heart disease *J V De Giovanni, R A Edgar, A Cranston*

334 von Willebrand factor, tissue plasminogen activator, and dehydroepiandrosterone sulphate predict cardiovascular death in a 10 year follow up of survivors of acute myocardial infarction *J-H Jansson, T K Nilsson, O Johnson*

338 Prevalence of factor V Leiden (APCR) and other inherited thrombophilias in young patients with myocardial infarction and normal coronary arteries *A Dacosta, B Tardy-Poncet, K Isaaz, A Cerisier, P Mismetti, S Simitsidis, J Reynaud, B Tardy, M Piot, H Decousus, D Guyotat*

341 Intraoperative release of troponin T in coronary venous and arterial blood and its relation to recovery of left ventricular function and oxidative metabolism following coronary artery surgery *T W Koh, J Hooper, M Kemp, F D Ferdinand, D G Gibson, J R Pepper*

349 Comparison of peripheral endothelial dysfunction and intimal media thickness in patients with suspected coronary artery disease *M-D Enderle, S Schroeder, R Ossen, C Meisner, A Baumbach, H U Haering, K R Karsch, M Pfohl*

355 Endoluminal vessel reconstruction by stent placement in patients with obstructive coronary artery disease who are poor surgical candidates *E Eeckhout, J-C Stauffer, P Vogt, L Kappenberger, J-J Goy*

359 Predictors of event-free survival after percutaneous mitral commissurotomy *N Meneveau, F Schiele, M-F Seronde, V Breton, S Gupta, Y Bernard, J-P Bassand*

365 Nitrate induced coronary vasodilatation: differential effects of sublingual application by capsule or spray *M Pfister, C Seiler, M Fleisch, H Göbel, T Lüscher, B Meier*

370 Selection of the optimal stress test for the diagnosis of coronary artery disease *J A San Román, I Vilacosta, J A Castillo, M J Rollán, M Hernández, V Peral, I Garcimartín, M del Mar de la Torre, F Fernández-Avilés*
377 Reproducibility and responsiveness of quality of life assessment and six minute walk test in elderly heart failure patients *S T O'Keeffe, M Lye, C Donnellan, D N Carmichael*
383 "Value" of improved treadmill exercise capacity: lessons from a study of rate responsive pacing *A D Staniforth, R Andrews, M Harrison, A Perry, A J Cowley*
387 Single chamber atrial pacing: an underused and cost-effective pacing modality in sinus node disease *K W Clarke, D T Connelly, R G Charles*
390 Predictors of loss of atrioventricular synchrony in single lead VDD pacing *P Hunziker, P Buser, M Pfisterer, F Burkart, S Osswald*

Preliminary observations

393 Antiplatelet treatment with cilostazol after stent implantation *Y Yoshitomi, S Kojima, T Sugi, M Yano, Y Matsumoto, M Kuramochi*

Brief reviews

397 Approaches to modern management of cardiac arrest *A A J Adgey, P W Johnston*
402 Public access defibrillation: a review *K B Kern*
405 Determinants of successful defibrillation *G W N Dalzell*
408 Antiarrhythmic drugs in resuscitation *D A Chamberlain*
412 Adrenaline dosage and buffers in cardiac arrest *A A J Adgey*

Case study

415 Raised factor VIII is associated with coronary thrombotic events *D A Gorog, R Rakhit, D Parums, M Laffan, G J Davies*

Short cases in cardiology

418 Intermittent complete atrioventricular block associated with typical atrioventricular nodal reentrant tachycardia *N P Jenkins, D H Bennett*

Letters to the editor

420 Ventricular pacemaker upgrade: experience, complications, and recommendations *G M Gribbin, J M McComb, R S Bexton*
420 Subpectoral implantation of a cardioverter defibrillator under local anaesthesia *J W Sayer, F Lorgat, W Wallis, A W Nathan*

Miscellanea

318 Stamps in cardiology: Stethoscopes *M K Davies, A Hollman*
369 Images in cardiology: Fibrosarcoma of the heart *Y T Lim, C-N Lee, B-L Chia*
376 Images in cardiology: Idiopathic chylopericardium *M C Baratella, M Montesello, P Marinato*
419 Images in cardiology: Coronary artery fistula *F Godart, C Rey, C Francart*

No 5 NOVEMBER 1998

Page **Editorials**

421 Measurement of QT dispersion *P W Macfarlane*
424 Anatomic repair of double discordant hearts *O Stumper, W J Brawn*
426 Heart failure clinics *A Strömberg*
428 Heart failure clinics: a possible means of improving care *L Erhardt, C Cline*
430 Nurse led, multidisciplinary intervention in chronic heart failure *J J V McMurray, S Stewart*

Review

432 Prevention of relapse in patients with congestive heart failure: the role of precipitating factors *J Feenstra, D E Grobbee, F A M Jonkman, A W Hoes, B H Ch Stricker*

Papers

437 Preventable causative factors leading to hospital admission with decompensated heart failure *A Michalsen, G König, W Thimme*
442 Cost effective management programme for heart failure reduces hospitalisation *C M J Cline, B Y A Israelsson, R B Willenheimer, K Broms, L R Erhardt*
447 Secondary prevention in coronary heart disease: a randomised trial of nurse led clinics in primary care *N C Campbell, L D Ritchie, J Thain, H G Deans, J M Rawles, J L Squair*
453 Measurement error as a source of QT dispersion: a computerised analysis *J A Kors, G van Herpen*
459 Computerised measurements of QT dispersion in healthy subjects *Y Gang, X-h Guo, R Crook, K Hnatkova, A J Camm, M Malik*
467 Prediction of the onset of atrial fibrillation after cardiac surgery using the monophasic action potential *A M Pichlmaier, V Lang, W Harringer, B Heublein, M Schaldach, A Haverich*
473 Role of orthotopic heart transplantation in the management of patients with recurrent ventricular tachyarrhythmias following myocardial infarction *J P Bourke, A Loaiza, G Parry, C Hilton, S Furniss, J Dark, J Forty*
479 Maintaining tricuspid valve competence in double discordance: a challenge for the paediatric cardiologist *P Acar, D Sidi, D Bonnet, Y Aggoun, P Bonhoeffer, J Kachaner*
484 Pulmonary function in children with atrial septal defect before and after heart surgery *J Šulc, V Andrle, J Hruda, B Hučín, M Šamánek, A Zapletal*
489 Triggers of daily life ischaemia *S B Freedman, C K Wong*
493 Coronary flow reserve in the contralateral artery increases after successful coronary angioplasty in patients with spontaneously visible collateral vessels *Z S Kyriakides, A Antoniadis, T M Kolettis, D T Kremastinos*
499 Intracoronary Multi-link stents: experience in 218 patients using aspirin alone *A L Calver, K D Dawkins, H H Gray, G A Haywood, J M Morgan, I A Simpson*
505 Impact of stenting on coronary angioplasty procedures *H S Lee, C Densem, R D Levy, D H Bennett, S G Ray, N H Brooks*
509 Intravascular stents: a new technique for tissue processing for histology, immunohistochemistry, and transmission electron microscopy *N Malik, J Gunn, C M Holt, L Shepherd, S E Francis, C M H Newman, D C Crossman, D C Cumberland*

517 Percutaneous closure of secundum atrial septal defect with a new self centring device ("angel wings") *C Rickers, C Hamm, H Stern, T Hofmann, O Franzen, R Schräder, H Sievert, D Schranz, I Michel-Behnke, J Vogt, D Kececioglu, W Sebening, A Eicken, H Meyer, W Matthies, F Kleber, J Hug, J Weil*

Case reports

522 Transcatheter closure of a residual postmyocardial infarction ventricular septal defect with the Amplatzer septal occluder *E M Lee, D H Roberts, K P Walsh*

525 1:1 atrioventricular conduction in congenital complete heart block *K A McLeod, A C Rankin, A B Houston*

Short cases in cardiology

527 Successful treatment of false aneurysm of a saphenous vein bypass graft with fistula to the anterior chest wall using "covered" intracoronary stents *I R Mahy, S Walton*

530 Main stem subocclusion shortly after aortic valve replacement *G Van Langenhove, P Van den Heuvel, F Van den Branden*

Letters to the editor

532 Myocardial infarction caused by an aneurysm of the left main coronary artery without evidence of Kawasaki disease *F M Fruhwald, O Luha, M Schumacher, N Watzinger, W Klein*

532 Inappropriate management of polycythaemia in adults with cyanotic congenital heart disease *E Rosenthal, D Anderson*

Miscellanea

423 Stamps in cardiology: Blood transfusion *M K Davies, A Hollman*

425 Images in cardiology: Delayed appearance of coronary aneurysms in Kawasaki disease *H Tomita, S Fuse, S Chiba*

466 Images in cardiology: Pacemaker induced torsades de pointes tachycardia *Á Böhm, A Pintér, I Préda*

508 Images in cardiology: Dual atrial pathology as an incidental finding on thoracic computed tomography and echocardiography *J M Cotton, A Brown, M J Monaghan*

Supplement No 1 (November 1998)

Echocardiography 1998

Page **Reveiws**

S1 Central role of echocardiography in the diagnosis and assessment of heart failure *M G Cheeseman, G Leech, J Chambers, M J Monaghan, P Nihoyannopoulos, for the British Society of Echocardiography*

S6 Apial mural thrombus: technical pitfalls *K Carpenter, D Adams*

S9 Quality issues for echocardiography in the community *S Saltissi, J Chambers*

S12 Echocardiography in adult congenital heart disease *A Houston, S Hillis, S Lilley, T Richens, L Swan*

Letter from America

S27 Reconsidering quality *J Kisslo*

Abstracts

S30 Abstracts in echocardiography 1997

BSE 1998 annual scientific and clinical meeting

S34 Programme

S35 Abstracts in echocardiography 1998

No 12 DECEMBER 1998

Page **Editorials**

533 Atrial fibrillation: towards an understanding of initiation, perpetuation, and specific treatment *N S Peters*

535 Imaging the heart in adult congenital heart disease *O Stumper*

537 Cardiovascular problems in divers *P Wilmshurst*

Reviews

539 Coronary pressure measurement and fractional flow reserve *N H J Pijls, B De Bruyne*

543 Cholesterol lowering and coronary artery disease: mechanisms of risk reduction *R A Archbold, A D Timmis*

Papers

548 Coexistence of mitochondrial DNA and β myosin heavy chain mutations in hypertrophic cardiomyopathy with late congestive heart failure *E Arbustini, R Fasani, P Morbini, M Diegoli, M Grasso, B Dal Bello, E Marangoni, P Banfi, N Banchieri, O Bellini, G Comi, J Narula, C Campana, A Gavazzi, C Danesino, M Viganò*

559 Prevalence of hibernating myocardium in patients with severely impaired ischaemic left ventricles *A Al-Mohammad, I R Mahy, M Y Norton, G Hillis, J C Patel, P Mikecz, S Walton*

565 Echo derived variables predicting exercise tolerance in patients with dilated and poorly functioning left ventricle *K M Webb-Peploe, M Y Henein, A J S Coats, D G Gibson*

570 Prognostic value of ECG findings for total, cardiovascular disease, and coronary heart disease death in men and women *D De Bacquer, G De Backer, M Kornitzer, H Blackburn*

578 Platelet aggregation and incident ischaemic heart disease in the Caerphilly cohort *P C Elwood, S Renaud, A D Beswick, J R O'Brien, P M Sweetnam*

583 Extent and severity of atherosclerotic involvement of the aortic valve and root in familial hypercholesterolaemia *L Rallidis, R P Naoumova, G R Thompson, P Nihoyannopoulos*

591 Results of three to 10 year follow up of balloon dilatation of the pulmonary valve *P S Rao, O Galal, M Patnana, S H Buck, A D Wilson*

596 Increased orthostatic tolerance following moderate exercise training in patients with unexplained syncope *B L Mtinangi, R Hainsworth*

601 Measured versus predicted oxygen consumption in children with congenital heart disease *P O Laitinen, J Räsänen*

606 Animal experimental implantation of an atrial septal defect occluder system *A Bloch Thomsen, M Schneider, U Baandrup, E V Stenbåg, J M Hasenkam, J P Bagger, G Hausdorf*

Paul Wood Lecture

612 The master's legacy: the first Paul Wood lecture *J Somerville*
Commentary—*P Sleight*

Case reports

620 Reversal of severe pulmonary hypertension with β blockade in a patient with end stage left ventricular failure *J G Crilley, J H Dark, J A Hall*

623 Carcinoid heart disease from ovarian primary presenting with acute pericarditis and biventricular failure *D Vergani, L Massironi, F Lombardi, C Fiorentini*

627 Junctional ectopic tachycardia evolving into complete heart block *H Henneveld, P Hutter, M Bink-Boelkens, N Sreeram*

629 Anomalous origin of the left coronary artery from the pulmonary artery: natural history and normal pregnancies *A K Nightingale, C J Burrell, A J Marshall*

Short cases in cardiology

632 Hypertrabeculated left ventricle in mitochondriopathy *J Finsterer, C Stöllberger*

Letters to the editor

633 Arterial remodelling and eccentricity of plaque *T Oniki*

633 Bifid T waves induced by isoprenaline in a patient with Brugada syndrome *L Littmann*

633 Nocturnal desaturation in patients with stable heart failure *G Ritter*

Miscellanea

564 Stamps in cardiology: Heart foundations on stamps (1) *M K Davies, A Hollman*

590 Images in cardiology: "Steam iron" appearance of chronic thoracic aortic dissection on angiography *M Celinski, C S Lawson*

611 Images in cardiology: Vanishing tumour *M Kodama, Y Aizawa*

634 Correction

635 Index

Contents

Supplement No 2
(December 1998)

Joint British recommendations on prevention of coronary heart disease in clinical practice
British Cardiac Society, British Hyperlipidaemia Association, British Hypertension Society